

**Draft Proposed Outreach & Education Actions for the Issaquah Population (Tier 1 Subareas)**  
**(by WRIA 8 Public Outreach Committee)**

<b>Proj #</b>	<b>Habitat Condition</b>	<b>Desired Outcome</b>	<b>Target Audience</b>	<b>Proposed Action</b>	<b>Priority H, M, L</b>	<b>Proven Track Record/ Model</b>	<b>Level of Financial Commit.</b>
I701	Smaller parcels lost to development without financial incentives offered to owners of larger parcels	Protect and improve salmon habitat	Commercial and residential shoreline and forest property owners	Expand existing private landowner incentive programs to include smaller, restoration-oriented properties not currently eligible under existing programs. Increase the local land trust activity in the Issaquah Basin to negotiate agreements.		Public Benefits Rating System, Open Space Current Use Tax (CUT)	High
I702	Riparian vegetation displaced by lawn, invasives, or exotics; water quality compromised by landscape practices; higher water use at times when flows lowest; habitat in threat of development or degradation.	Protect & restore salmon habitat, especially riparian vegetation as source of refuge and terrestrial food; protect & restore water quality, maintain instream flows	Residential shoreline property owners	Continue and expand Creekside Landowner Assistance Program including classes, technical and financial assistance in private restoration activities to entire Basin. Include information on conservation easement opportunities as well as land use options.		Yes, Snohomish County Streamside Courses, Creekside Living, Issaquah	Low
I703	Riparian vegetation displaced by invasives or low eco value plants; higher water use at times when flows lowest	Protect and improve riparian habitat to provide source of food & shelter, limit erosion, and reduce supplemental watering needs	Commercial and residential Shoreline property owners	Encourage commercial and residential streamside restoration & removal and replacement of non-native vegetation by reducing or eliminating local permit processes and fees.	Medium - High	?	?
I704	Riparian vegetation displaced	Protect & restore riparian vegetation to provide shelter and food; protect and restore water quality, maintain instream flows	Residential shoreline property owners; general public; youth	Update salmon-friendly behavior educational materials such as <i>Salmon Friendly Gardening Practices</i> , <i>Going Native</i> , <i>Watershed Waltz</i> and <i>Sammamish Swing</i> booklets and Water Quality Consortium posters. Print and distribute to the following prioritized audiences: 1) Shoreline landowners; 2) Community Meeting Spaces such as libraries, city halls, local festivals, etc.; and 3) K-12 classrooms.	Medium - High	Yes.	Low-Medium

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I705	Lack of large woody debris as source of shelter, pools, riffles	Overcome public fear and resistance to providing and maintaining woody debris along shorelines and subsequent source of cover, pools, riffles	Shoreline property owners, general public, youth	Increase public awareness about the value of large woody debris and native vegetation for flood protection, salmon habitat, and healthy streams. Convey through media (local newspapers, community newsletters); displays, website, signage along publicly accessible "model" shoreline; and brochures such as King County's <i>Large Woody Debris and River Safety</i> and US Forest Service <i>Large Woody Material: The Backbone of a Stream</i> . Distribute to all shoreline property owners and to more of general public, especially recreational boaters. Continue outreach at festivals such as Salmon Days and Sammamish Watershed Festival; via local cable channels; and hatchery docent presentations.	High for shoreline landowners / low for others	Yes. Existing King Co brochure, currently out of print.	Low
I706	Channel confinement, loss of riparian buffer and sources of large woody debris, pools, riffles, and terrestrial food source; reduced channel complexity,	Inspire shoreline property owners to make changes on their own property by providing good examples; increase public support for land acquisition and restoration efforts, as well as landuse policies	Shoreline property owners	Increase interpretation (signs, tours) and directed visitation at restoration sites on public lands to better convey how practices observed can be tried on private lands.		Yes. Redmond River Walk, Juanita Beach, Classic Nursery, Lake Forest Park Stewardship Projects	Medium
I707	Channel confinement, loss of riparian buffer: sources of large woody debris, pools, riffles; reduced channel complexity,	Inspire shoreline property owners to make changes on their own property by providing good examples; increase public support for land acquisition and restoration efforts, as well as landuse policies.	Shoreline property owners and general public	Document video progress on a range of restoration projects from planning to post-construction. Air on government cable channels, in shoreline property owner classes and for libraries, schools, communities groups.		Salmon Information TV,	Variable
I708	All conditions listed	Protect and	Shoreline and	Increase awareness of new landowners concerning	Medium	Yes. King	Medium /

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	above	improve riparian and forest habitat	Forested Area property owners	sensitive areas and environmental stewardship options of streamside properties by educating local real estate agents.  Explore possibility of adding a disclosure to Real Estate Sales Agreement describing shorelines as sensitive areas, subject to rules and regulations of City and County. Look to model set by King County.		County Dept. of Development & Environmental Services real estate classes and notice on title.	Low
I709	Riparian vegetation displaced by lawn, invasives, or exotics; water quality compromised by landscape practices; higher water use at times when flows lowest	Protect and improve riparian and forest habitat; protect water quality. Increase watershed literacy and best management practices by shoreline property owners	Streamside and Forested Property owners	Create and distribute "Streamside / Forest Living Welcome Wagon" packages focused on shoreline and forested area stewardship. Include information water conservation incentive tools and erosion control techniques.	Medium	WaterTenders	Low/Medium
I710	Water quality degraded by leaks from septic systems, increased organics, hormones, toxics	Protect water quality from septic tank failures	Shoreline property owners, installation contractors, and real estate professionals	Increase outreach to shoreline homeowners on septic tanks about proper siting and maintenance of their waste systems. In addition to targeted mailings, offer free or low cost inspections and technical assistance.	Medium-High	Yes, King County Public Health Dept. Wastewater Training Programs for Homeowners, Real estate Professionals, and Contractors; Hood Canal Coordinating Council, Chesapeake Bay Cleanup Program	Medium
I711	All conditions listed	Protect forest cover; protect & restore wetlands,	General Public	Foster voluntary stewardship related to monitoring, restoration and public education. Support community organization or neighborhood capacity and partnership	High	Yes. Issaquah Basin Action Team, City of	Low

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		headwaters, critical salmon habitat; increase public support for land acquisition and restoration efforts, as well as landuse policies		efforts throughout entire Issaquah Basin. Continue the Issaquah Basin Action Team and expand to include more community representation from the East Fork communities and the upper Issaquah Basin.		Issaquah Resource Conservation Office stewardship programs.	
I712	Water quality degraded by excessive nutrient inputs (and subsequent decrease in oxygen), erosion and sedimentation, grasses clogging channels	Protect and restore riparian vegetation, protect and restore water quality	Livestock owners (Horse farms)	Provide classes, tours, and assistance in implementing livestock operation best management practices. Increase number of properties that have adopted "Farm Management Plans". Gear classes to small "hobby farmers."	Medium	Yes. Horses for Clean Water and King Conservation District Programs	Low
I713	Riparian vegetation displaced by lawn, invasives, or exotics; water quality compromised by landscape practices; higher water use at times when flows lowest.	Protect & restore riparian vegetation; protect& restore water quality, maintain instream flows.	Landscape Contractors	Offer professional workshops to landscape designers/contractors on environmentally-friendly streamside landscaping. Include topics such as riparian design, plant selection, installation techniques, use of compost to build healthy soils, efficient watering techniques, role of LWD and erosion control. Determine need for training for non-English speaking participants.  Increase likelihood of improving shoreline landscape conditions by bringing on-board the industry with large influence over the landscapes within watershed.	High	Yes. Washington Assoc. of Landscape Professionals (WALP) trainings	Low – Medium
I714	Native vegetation displaced by lawn, invasives, or exotics with low ecological value.	Provide food source for wildlife; reduce need for pesticides and supplemental landscape watering (once established)	Community	Increase number of native plant salvages where landowners can take plants back to their yards. Publicize opportunity to drop off unwanted native plants with the Mountains to Sound Greenway Trust nursery at Lake Sammamish State Park.	Low	King County Native Plant Salvage Program.	Low

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I715	Loss of forest cover, increased impervious areas, decreased infiltration and ground water recharge, increased run-off and subsequent flashiness of floods	Protect forest cover and conditions that more closely mimic natural hydrology; reduce bed scour, provide source of cool water through groundwater seepage	General public, but property owners in particular	<p>Increase outreach concerning the benefits of trees and basin-wide forest coverage to protect water quality and maintain instream flows. Include information that links canopy cover to storm water issues.</p> <p>In urban areas, protect remaining trees and encourage reforestation through street tree programs, tree protection regulations, landscaping incentives, and redevelopment.</p> <p>Clarify hazardous tree issues. Suggest hazardous trees be replaced with new plantings.</p> <p>Consider developing a marketing campaign with nurseries and arborists, promoting the benefit of trees to salmon and watershed health.</p>	High in rural areas; Medium in urban/s uburban areas.	Yes, Sammamish ReLeaf; Mountains-to-Sound Greenway; City tree ordinances	Variable - Medium
I716	Loss of riparian vegetation, forest cover, creek mouth degradation, degraded water quality	Protect and improve riparian and forest habitat	Community	Increase citizen involvement in voluntary stewardship programs, focusing on restoration projects to meet the needs of the conservation plan through restoration, education, monitoring and restoration site maintenance. Expand opportunities throughout the basin.	High	City of Issaquah Resource Conservation Office; King County Salmon Watcher program, Hatchery Docent program	Medium
I717	All conditions listed	Cultivate ethic of environmental stewardship; increase watershed awareness and links between manmade habitat and environmental health	Youth	Expand linkage environmental stewardship opportunities and community service requirements with the scouting community and K-12 and higher learning school community service requirements.	Medium	Yes. Environmental Portal Seattle, Mercer Slough Interns Prog, N. Shore Utility Tour, Water Tenders.	Low
I718	All conditions listed	Improve watershed awareness;	Youth; FISH Docents	Focus environmental/science curricula on local watershed issues, with particular emphasis on key factors limiting the Issaquah Basin subpopulation.	Medium	Yes	Medium

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		possibly prevent future habitat degradation by instilling a better understanding of interrelationship between habitat, daily actions, and watershed health					
I719	Reduced forest cover, increased impervious areas, decreased infiltration and groundwater recharge	Mimic natural hydrology more closely; reduce flashiness of run-off with smaller yet more localized storage capacity	Developers, Architects, Engineers	Provide professional workshop and tours focusing on sustainable building / design practices to architects, landscape architects, engineers, and developers. Build partnerships with professional associations to highlight the benefits of design and building practices that maintain watershed health.	Medium	Yes. Idea House;	Low – Medium
I720	Instream Flows Water Quality; Habitat Quality	Protect and improve riparian and forest habitat quality and quantity, flows and water quality	Commercial Community	Recognize businesses that work to improve watershed health by using best management practices in construction or everyday business practices. Create and run an annual award that can publicize one business a year in a variety of means including local media, professional magazines, etc.	Medium	Yes. King County Business for Clean Water.	Low
I721	Insufficient instream Flows	Maintain adequate flows	High-end water users, general public	Promote availability of water conservation education and incentive programs (e.g., rebates for efficient toilets, appliances, free landscape irrigation audits) to decrease household, commercial, and landscaping irrigation water consumption throughout WRIA 8. Support conservation efforts within the Cascade Water Alliance.	High	Yes. Smart & Healthy Landscapes, Water Cents, utility incentive programs.	Low
I722	Loss of forest cover, organic content in soils, increase in impervious areas and increased run-off, degraded water quality flashiness during flood conditions.	Protect and improve riparian and forest habitat protect and restore flows and water quality.	Developers, Architects, Engineers	Support the Built Green campaign that tracks demand among community residents for green homes. Assist in publicizing the results and recognizing sustainable design.  Promote through design competitions and media coverage the use of “rain gardens” and other low impact development practices that mimic natural hydrology. Combine a home/garden tour or “Street of Dreams” type event featuring these landscape /engineering treatments.	Low - Medium	Yes. Built Green Program. AIA, ASLA, Sunset Magazine and Seattle Times Home and Garden Awards	Low
I723	Water quality	Protect and	General	Offer the Natural Yardcare Neighborhoods Program and	Medium-	Yes	Low

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	compromised by garden chemicals, metals, sediment. Higher water use at times when flows lowest.	improve water quality; increase food and shelter for wildlife	public	other landscaping education opportunities to communities in the Issaquah Basin.  Encourage more Basin residents to visit the Pickering Farm Community Teaching Garden.	High		
I724	Water quality degraded by toxics, oils, metal fines	Protect and improve water quality	General public; charity clubs; businesses	Encourage alternatives to charity cash washes and/or extend car wash kits beyond City of Issaquah and develop and distribute 'alternative community fundraising idea' brochure to volunteer fundraisers. Extend requirement that all charity car washes require car wash kit to entire Issaquah Basin. Educate businesses on this requirement. Encourage use of commercial car washes in Issaquah Basin.	Medium	City of Issaquah Car Wash Kit; Puget Sound Car Wash Association Coupons	Variable – Low
I725	Water quality degraded by toxics, oils, metal fines	Protect and improve water quality	Business; homeowner associations	Educate and support retail business and homeowners' associations on stormwater best management practices specifically related to parking lot cleaning, storm drain maintenance and road cleaning.	High		
I726	Water quality degraded by toxics, oils, metal fines	Protect and improve water quality	General Public	Evaluate effectiveness of storm drain stenciling program in City of Issaquah. If deemed effective, make Issaquah Basin-wide stenciling program..	Medium – Low	Yes.	Low
I727	Degraded forest cover, sensitive areas	Protect and improve riparian and forest habitat quality and quantity	Forested landowners, general public	Better education of landowners abutting Native Growth Protection Easements about allowable activities through local media, direct mail, presentations and government cable channels.	Medium	Sustainable Seattle?	Medium
I728	Insufficient instream Flows	Maintain Adequate flows	General Public	Encourage rainwater harvesting and greywater capturing for reuse in landscaping irrigation through demonstration projects, workshops and educational materials.	Medium	Pickering Farm Community Teaching Garden (Issaquah)	Medium
I729	Water quality degraded by toxics, pesticides, metals, increased nutrient loads, sediment; loss of rip. vegetation	Protect and restore water quality	General Public	Publicize emergency call numbers for public to report water quality and quantity problems, non-permitted vegetation clearing, and non-permitted in-stream grading, and wood removal incidents.	High	Seattle Public Utilities Surface Water Pollution Prevention Hotline and website	Low

**Draft Proposed Outreach & Education Actions for Lake Sammamish  
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I730	Shoreline hardening, riparian vegetation displaced by lawn, invasives, or exotics with low ecological value, overwater structures creating sharp light contrast, water quality degraded by effects of landscape practices	Increase awareness that the lakeshore is also a nursery for juvenile salmon. It's possible to make "home improvements" that can benefit both property owner and salmon. [people pets, and planet]	Lakeshore property owners	Promote concept of living <u>with</u> the lake, instead of just <u>on</u> it through public messaging. Foster idea of <u>sharing</u> the shoreline with other species that inhabit the lakeshore. Carry out through workshops, literature, and development of education and marketing campaigns	High	Lakeside Living Workshop Series; King County Lake Stewardship Program	Variable
I731	Shoreline hardening, riparian vegetation displaced by lawn, invasives, or exotics with low ecological value, overwater structures creating sharp light contrast, water quality degraded by effects of landscape practices	Reduce conditions favored by predator species; protect & restore water quality.	Lakeshore property owners	Offer lakeshore property owners a series of workshops on lakeshore living: natural yard care; reduction of lawn size, shoreline buffer planting design/noxious weed management; alternatives to vertical wall bulkheads; salmon friendly dock design; aquatic weed management; environmentally friendly methods of maintaining boats, docks, decks; porous paving options	High	WRIA 8/KCD Lakeside Living Lakeshore Property Owner Workshops; Creekside Property Owner workshops by Issaquah, Seattle Public Utilities, and Snohomish County; Natural Yard Care Neighborhoods	Medium-High
I732	Forested parcels threatened by development, creek mouths degraded or unrecognizable (culverted); riparian vegetation replaced by invasives infested along shoreline	Protect and/or restore forest land, critical areas such as wetlands and shallow water rearing habitat. Promote watershed health through grassroots messaging.	Community, but especially lakeshore property owners.	Identify and encourage shoreline neighborhood and community stewardship associations. Use to foster the ethic of voluntary stewardship, set examples for other neighbors to follow, enlist community support to acquire and restore habitat, and to build a bridge between property owners, agencies, and local governments.  Increase potential for media coverage when efforts initiated at community level.	High	Save Lake Sammamish, Lake Forest Park Stewardship Foundation, Denny Creek Neighborhood Association	Low
I733	Riparian vegetation displaced by lawn,	Protect and improve rearing and	Lakeshore property	Update where necessary salmon-friendly educational materials such as <i>Sammamish</i>	Medium - High	Yes	Low-Medium



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	invasives, or exotics; water quality compromised by garden chemicals, metals, sediment; elevated water temperatures due to increased water use at times when flows lowest.	migratory habitat; protect and restore water quality	owners, general public	<i>Swing, Salmon Friendly Gardening Practices, Going Native, and Watershed Waltz</i> booklets. Print and distribute to the following prioritized audiences: 1)lakeshore property owners 2) Public places such as libraries, city halls, community centers and where permitted, at home improvement centers and other major retail establishments.			
I734	Riparian vegetation displaced by lawn, invasives, or exotics; water quality compromised by garden chemicals, metals, sediment.; elevated water temperatures due to increased water use at times when flows lowest.	Protect & restore shoreline buffer plantings to provide source of food & shelter; protect& restore water quality, maintain baseflows of feeder streams in order to provide source of cooler water	Lakeshore property owners	Modify more for “lakeshore living” the existing “Streamside Living Welcome Wagon” program in which residents welcome new homeowners to the neighborhood and provide information concerning “salmon friendly” yard care, lakeshore planting tips, water-wise gardening.	Medium	WaterTenders Streamside Living Welcome Wagon	Low-Medium
I735	Solid overwater surfaces that create sharp light contrast and dark shadows, conditions favored by predators.	Reduce severity of predation on juveniles	Lakeshore property owners	Promote mutual value of mesh docks, smaller piling sizes, and community docks to both salmon and property owners: reduced predation for fish; reduced maintenance for homeowners, opportunity to watch small fish swimming under the dock, and architectural interest provided by new salmon-friendly elevated dock bridges.  Outreach could be carried out, for example, by creating a boat owner education campaign. Mailings could be sent with boat registration tab renewal or with property tax notice for shoreline property owners; by literature at marine, sporting goods and hardware stores, at boat shows; and through workshops to homeowners and marine construction industry. Coordinate outreach through appropriate licensing agencies.	High		Medium
I736	Sharp light contrast	Reduce severity of	Lakeshore	Offer financial incentives for community docks in	High		Low

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	and dark hiding spots created by overwater structures, conditions favored by predators	predation on juveniles by reducing number of docks.	property owners	terms of reduced: permit fees, loan fees/percentage rates, taxes and permitting time, in addition to reduced construction costs			
I737	Steep shoreline gradient with coarse aggregate caused by wave action on vertical wall bulkheads	Create sandy, shallow water habitat needed by juveniles.	Lakeshore property owners	Utilize niche marketing to promote a “Build a Beach” campaign. Clarify how hardened shorelines prevent the development of shallow, sandy beaches and how alternative treatments can provide these amenities. Of benefit to salmon and to homeowners desiring more easily accessible shallow beach and aesthetics of a cove. Work with media (including design and lifestyle magazines) and real estate community (articles in real estate sections of papers) as well as construction, and design industry professionals.	High	Pro Bono advertising campaign development – The Coalition for Drug Free America ad campaign). Bert the Salmon ads	Variable, but low able to get Pro Bono assistance .
I738	Lack of shelter provided by large and small woody debris due to lack of shoreline vegetation; steep dropoffs from shoreline hardening	Reduce conditions favored by predator species.; increase shoreline buffer vegetation and sources for large and small woody debris	Lakeshore property owners	Alternative marketing campaign: work with advertising industry and media. Do a play on “Child Haven” promotion. <i>Fry Haven?</i> Contrast picture of a sandy shallow shoreline containing woody debris hiding Chinook juveniles with that of a deep gravelly shoreline with evil looking predator species lurking, gobbling up young Chinook. [A “Chinook need safe places too” idea]. Possibly graphics in style of <i>Finding Nemo</i> .  Heighten awareness that it is the young juvenile fish that are at risk; humans are often more receptive to saving children). Possibly do a play on <i>Save the Children</i> charity campaign, showing stressed conditions for juvenile Chinook trying to rear and migrate through lake.	High	Various Bert the Salmon Ad campaigns	
I739	Lack of appropriate shoreline vegetation, shoreline hardening by vertical wall bulkheads and rip rap walls; docks that create stark light contrast and	Reduce conditions favored by predator species by “softening” shoreline; increase shoreline buffer vegetation and	Lakeshore property owners	Demonstration Project. Locate property owner in publicly accessible (or viewable) area willing to remove bulkhead, or shoreline armoring and replace it with more ecologically friendly design. Similarly, renovate existing dock with more salmon-friendly design. Publicize efforts through various means. Demonstration project should	Medium – High	Redmond River Walk, Juanita Beach, Classic Nursery, Lark Forest Park Stewardship projects	Medium

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	hiding spots for predators	sources for large and small woody debris, replace the many docks with more salmon friendly designs		contain elements that can be done by average shoreline property owner. Provide information on costs and advantages of alternate treatments.			
I740	Coarse substrate, steep slope, dark hiding spots for predators caused by bulkheads and solid surface docks.	Reduce conditions favored by predator species; increase shoreline buffer vegetation and sources for large and small woody debris	Lakeshore property owners, general public	Document video progress on a range of restoration projects from planning to post-construction. Air on government cable channels, in shoreline property owner classes and for libraries, schools, communities groups.	Medium	Salmon Information TV	Variable
I741	Coarse substrate, steep slope, dark hiding spots for predators caused by bulkheads and solid surface docks.	Overcome resistance of shoreline property owners to make such drastic changes to their shorelines by offering local examples of alternative treatments. Ultimate goal is to reduce conditions favored by predator species.	Lakeshore property owners, general public	Combine recreation and education. Organize a Bulkhead Alternatives and Salmon Friendly Dock Design tour to see good examples of design on a residential scale. Organize as boat tour so properties can be viewed from water (less invasive to property owner).  Alternatively, create a self-guided water tour (most shoreline property owners have their own boats) with GPS coordinates to help locate example property.	Medium-Low	King County and People for Puget Sound shoreline homeowner workshops (pilot programs)	Variable
I742	Shoreline hardening, riparian vegetation displaced by lawn, invasives, or exotics with low ecological value, overwater structures creating sharp light contrast, water quality degraded by effects of landscape practices	Protect and improve water quality; habitat quality - or - Protect & restore riparian vegetation to provide terrestrial food source and shelter; protect& restore water quality, maintain	Landscape Contractors	Offer professional workshops to landscape designers & contractors on environmentally-friendly <u>lakeshore</u> landscaping. Include topics such as shoreline buffer function and design, native plant selection (including ones that can handle large water level fluctuation of Lake Sammamish), installation techniques, use of compost to build healthy soils, and noxious weed control. Determine need for training for non-English speaking participants	Medium – High	Washington Assoc of Landscape Professionals (WALP) Trainings by King County Local Hazardous Waste Management Program	Low

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		instream flows upstream to provide source of cooler water					
I743	Riparian vegetation displaced by lawn. Water quality compromised by garden chemicals, metals, sediment.	Increase shoreline planting; reduce lawn size to at least have buffer between lawn and shore.	Lakeshore property owners	Work with landscape, design, and real estate industries to sell benefit of "privacy" to homeowners. With restoration of shoreline buffer planting homeowners can increase privacy without sacrificing views. Promote idea of "framed views" as a more sophisticated landscape aesthetic.  Extend outreach to retail nurseries which offer design seminars and can strengthen market for native/wetland plants.	Medium - High	1998 Lake Sammamish Shoreline Prop owners workshop Pilot Program  King Conservation District programs	
I744	Lack of shoreline buffer vegetation, increased water use when levels lowest; increased perceived need for pesticides	Increase native vegetation and source of shelter and food for fish; reduce erosion and need for supplemental irrigation (once established)	Lakeshore property owners , Community	Increase number of native plant salvages where landowners can take plants back to their yards. Publicize opportunity to drop off unwanted native plants at various parks surrounding the lake.	Medium - Low	King County Native Plant Salvage Program	
I745	Lack of appropriate shoreline vegetation	Increase shoreline vegetation and reduce non-native vegetation & spread of invasives	Lakeshore property owners	Reduce permit fees (where applicable) for shoreline restoration, removal & replacement of non-native vegetation	Medium		Low
I746	Water quality degraded by toxics, pesticides, increased nutrient loads, sediment from construction sites; loss of riparian vegetation	Protect and improve water quality	General Public	Publicize emergency call numbers for public to report water quality problems, water diversion from lake for irrigation, , non-permitted vegetation clearing, or tree overspray (pesticide) related incidents.	High	King County Water & Land Division, Seattle Public Utilities Hotlines	Low
I747	Reduced forest and canopy cover; increased impervious	Protect and improve water quality; reduce quantity of water	General public, but property	Increase outreach concerning the benefits of trees and basin-wide forest coverage to protect water quality.	Medium-High	Sammamish ReLeaf; Mountains-to-	Low

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	areas, decreased infiltration; more flashiness of floods due to intensity of runoff	entering lake: during flood conditions can mix with sanitary sewer flows and enter lake.	owners in particular	Include such actions as significant tree ordinance and information that links canopy cover to storm water issues. Provide clarification on hazardous tree issues. Offer seedlings to replant after hazard trees are removed. Coordinate with commercial nurseries to expand outreach about benefits of trees to salmon.		Sound Greenway; City tree ordinances, King County Forestry Program	
I748	Elevated lake temperatures, lack of cool water sources from feeder streams, insufficient flows in feeder streams to provide source of cooler water, lack of ground water recharge, water quality, habitat quality	Protect forest cover, reduce paving and impervious areas, increase infiltration and conditions that mimic natural hydrology, protect and restore water quality	Design, engineering, and construction industries	Provide education to architects, landscape architects, engineers, and developers on sustainable building/design practices. Work with professional associations to highlight building practices that maintain watershed health, importance of maintaining canopy cover and limiting impervious surfaces. Provide incentives to builders that demonstrate a use ecologically sensitive designs and/or techniques.  Provide professional workshop and tours focusing on sustainable building/design practices to architects, landscape architects, engineers and developers. Build partnerships with professional associations to highlight the benefits of practices that maintain watershed health.  Promote through design competitions and media coverage the use of "rain gardens" and other low impact development practices that mimic natural hydrology. Combine a home & garden tour or "Street of Dreams" type event featuring these landscape and engineering treatments.	Medium – High	WALP Trainings by King County Local Hazardous Waste Management Program.  Stoneway Concrete Council for Sustainable Development outreach on pervious pavement.  Port Blakely Communities, Issaquah partnerships, Built Green, Sustainable Seattle, LEEDS	Variable
I749	Reduced forest cover, increased impervious area, decreased infiltration and ground water recharge, water quality degraded by runoff	Protect and improve water quality and quantity to more closely mimic natural hydrology	Developers, Architects, Engineers Building Professionals	Use recognition as a means to encourage more salmon sustainable designs and construction. Coordinate with professional association awards in addition to popular magazine merit awards. Continue to recognize businesses that carry out procedures or use products that protect watershed health.	Medium	AIA, ASLA, Sunset Magazine, and Seattle Times Home and Garden awards, King County Enviro Stars.	Low
I750	Water quality degraded by metals,	Protect and improve water quality	General Public	Create a program that addresses impact of car maintenance and offers alternatives that help	Medium	King County Local Hazardous Waste	variable

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	toxins, pesticides, and nutrient overloads			<p>protect watershed health and water quality.</p> <p>More actively distribute – poster series developed by multi-jurisdictional Water Quality Consortium. Series depict water quality implications of everyday activities such as car washing, ignoring car maintenance, pet wastes.</p> <p>Work with auto parts retailers and gas stations to increase potential for collection of used motor oil/transmission fluids.</p> <p>Make outreach materials available to non-English speakers</p>		<p>Mgmt Program</p> <p>Water Quality Consortium, Businesses for Clean Water</p>	
I751	Water Quality degraded by toxics and metal fines	Protect and restore water quality	General Public	Build partnerships and seek outreach opportunities with commute trip reduction programs to convey the impacts of automobiles on water quality and salmon habitat. Encourage alternative transportation choices.	Medium	Commute Trip Reduction Programs	Low - Medium
I752	Water Quality degraded by toxics and metal fines degraded by metals and toxins	Protect and restore water quality	General Public, schools/non-profits and Charity groups – and business that offer to host a carwash.	Coordinate with local business community to encourage the use of commercial car washes over washing at home on street or in parking lots. Encourage alternatives to charity cash washes via commercial car wash coupon books or extend car wash kits throughout entire watershed. Make requirement that all charity car washes use coupons or car wash storm drain kit. Distribute “alternative community fundraising idea” brochure to volunteer fundraisers.	Medium - High	Yes, various cities’ car wash kit programs. Puget Sound Carwash Association	Low
I753	Water quality degraded by metals and toxins	Protect and restore water quality	Businesses, property management companies, homeowners associations.	Educate and support retail business and homeowner associations on stormwater best management practices specifically related to parking lot cleaning, storm drain maintenance, and boat cleaning.	Medium	Ongoing programs by various jurisdictions within WIRA, e.g. Issaquah, Redmond	Low
I754	Reduced baseflows from streams that feed into lake and subsequent elevated	Protect and restore sources of cool water	High end water users and general public	Extend availability of water conservation incentive programs such as rebates for efficient toilets, appliances, soaker hoses, free indoor conservation kits, or free landscape irrigation	High	Smart & Healthy Landscapes, Water Cents, and other utility incentive	Low

<b>Proj #</b>	<b>Habitat Condition</b>	<b>Desired Outcome</b>	<b>Target Audience</b>	<b>Action</b>	<b>Priority</b>	<b>Proven Track Record/Model</b>	<b>Level of Financial Commit.</b>
	water temperatures in lake			audits to decrease household and commercial water consumption.		programs	